



Image may be representation.  
See specifications for product details.



## TZMC5V1-GS08

Manufacturer Part Number	<b>TZMC5V1-GS08</b>
Manufacturer	<b>Vishay General Semiconductor – Diodes Division</b>
Allelco Part Number	32D-TZMC5V1-GS08
ECAD Model	PCB Footprint and Symbol
Parts Description	DIODE ZENER 5.1V 500MW SOD80
Package	DO-213AC, MINI-MELF, SOD-80
Data sheet	<b>TZM Series.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

TZMC5V1-GS08 - Vishay General Semiconductor - Diodes Division. New Original in Stock. Download Linear Technology TZMC5V1-GS08 datasheet/specifications on AllelcoElec.com.  
Request a quote for TZMC5V1-GS08, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

TZMC5V1-GS08 Tech Specifications

TZMC5V1-GS08 - Vishay General Semiconductor - Diodes Division technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay General Semiconductor – Diodes Division	Package / Case	DO-213AC, MINI-MELF, SOD-80
Voltage - Zener (Nom) (Vz)	5.1 V	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	1.5 V @ 200 mA	Operating Temperature	175°C
Tolerance	±5%	Mounting Type	Surface Mount
Supplier Device Package	SOD-80 MiniMELF	Impedance (Max) (Zzt)	60 Ohms
Series	Automotive, AEC-Q101, TZM	Current - Reverse Leakage @ Vr	100 nA @ 1 V
Power - Max	500 mW	Base Product Number	TZMC5V1

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay General Semiconductor - Diodes Division TZMC5V1-GS08

Product Attribute				
Part Number	TZMC5V1-GS08	<b>TZMC68-GS08</b>	<b>TZMC62-GS08</b>	<b>TZMC5V6-GS18</b>
Manufacturer	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division
Series	Automotive, AEC-Q101, TZM	Automotive, AEC-Q101, TZM	Automotive, AEC-Q101, TZM	Automotive, AEC-Q101, TZM
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Zener (Nom) (Vz)	5.1 V	68 V	62 V	5.6 V
Current - Reverse Leakage @ Vr	100 nA @ 1 V	100 nA @ 51 V	100 nA @ 47 V	100 nA @ 1 V
Base Product Number	TZMC5V1	TZMC68	TZMC62	TZMC5V6
Power - Max	500 mW	500 mW	500 mW	500 mW
Package / Case	DO-213AC, MINI-MELF, SOD-80	DO-213AC, MINI-MELF, SOD-80	DO-213AC, MINI-MELF, SOD-80	DO-213AC, MINI-MELF, SOD-80
Impedance (Max) (Zzt)	60 Ohms	200 Ohms	150 Ohms	40 Ohms
Supplier Device Package	SOD-80 MiniMELF	SOD-80 MiniMELF	SOD-80 MiniMELF	SOD-80 MiniMELF
Tolerance	±5%	±5%	±5%	±5%
Operating Temperature	175°C	-65°C ~ 175°C	-65°C ~ 175°C	175°C
Voltage - Forward (Vf) (Max) @ If	1.5 V @ 200 mA	1.5 V @ 200 mA	1.5 V @ 200 mA	1.5 V @ 200 mA

## TZMC5V1-GS08 Datasheet PDF

Download TZMC5V1-GS08 pdf datasheets and Vishay General Semiconductor - Diodes Division documentation for TZMC5V1-GS08 - Vishay General Semiconductor - Diodes Division.

### Datasheets

[TZM Series.pdf](#)

### PCN Assembly/Origin

[Wafer Source 12/Nov/2021.pdf](#)

## Customers Also Interested in

### Recommended Products



**TZMC68-GS08**

Vishay General Semiconductor - Diodes Division  
DIODE ZENER 68V 500MW SOD80



**TZMC62-GS08**

Vishay General Semiconductor - Diodes Division  
DIODE ZENER 62V 500MW SOD80



**TZMC5V6-GS18**

Vishay General Semiconductor - Diodes Division  
DIODE ZENER 5.6V 500MW SOD80



**TZMC4V3-V-GS08**

Electro-Films (EFI) / Vishay



**TZMC5V1-GS18**

Vishay General Semiconductor - Diodes Division  
DIODE ZENER 5.1V 500MW SOD80



**TZMC51-GS08/LL51V**

Electro-Films (EFI) / Vishay

**TZMC5V6-GS08 5.6V**

Electro-Films (EFI) / Vishay

**TZMC56-GS08**Vishay General Semiconductor - Diodes Division  
DIODE ZENER 56V 500MW SOD80**TZMC5226B-GS08**

Electro-Films (EFI) / Vishay

**TZMC4V3-GS08,44**

Electro-Films (EFI) / Vishay

**TZMC4V7-GS08**Vishay General Semiconductor - Diodes Division  
DIODE ZENER 4.7V 500MW SOD80**TZMC6V2-GS08**Vishay General Semiconductor - Diodes Division  
DIODE ZENER 6.2V 500MW SOD80**TZMC5V6-GS08**Vishay General Semiconductor - Diodes Division  
DIODE ZENER 5.6V 500MW SOD80**TZMC4V3-GS18**Vishay General Semiconductor - Diodes Division  
DIODE ZENER 4.3V 500MW SOD80**TZMC6V2-GS08 6.2V**

Electro-Films (EFI) / Vishay

**TZMC51-GS08**Vishay General Semiconductor - Diodes Division  
DIODE ZENER 51V 500MW SOD80**TZMC5230B-GS08**

Freescale / NXP Semiconductors

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

**Common Countries Logistic Time Reference**

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

**DHL & FedEx Shipment Charges Reference**

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

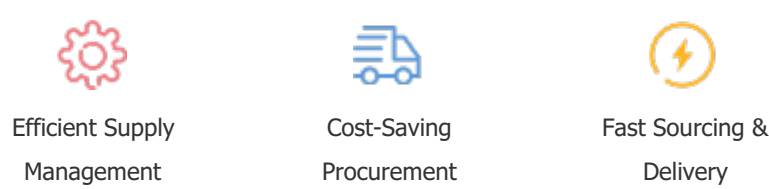
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

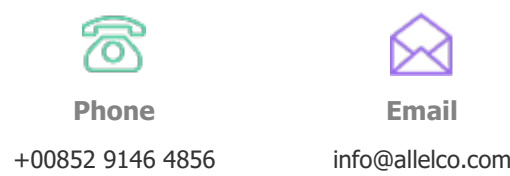
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



[View More](#)



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